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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/687,603	10/20/2003	Dae-Sung Han	1594.1292	1134

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EXAMINER

PAIK, SANG YEOP

ART UNIT	PAPER NUMBER
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3742

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

6D

Office Action Summary	Application No.	Applicant(s)	
	10/687,603	HAN ET AL.	
	Examiner	Art Unit	
	Sang Y. Paik	3742	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 February 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>10/12/06</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-7, 9-15, 17-18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Palmer et al (US 2,778,912) in view of Bonzagni et al (US 2,030,047) or Wachtel (US 3,074,342).

Palmer shows a cabinet or a casing including a plurality of ceramic heaters having a ceramic bases (42, 43) with heating elements (48) mounted behind a plurality of reflecting plates (37) with a plurality of the elastic mounting units (44, 45), which are made of thin metal having an inherently elastic property, having one fixed end and a free end wherein the heater is held between the free ends of the pair of the elastic parts. The free ends have the heater seat defined by the inner portion of the U-shape of the free ends with a support part to support the backside of the heater. But, Palmer does not show a grill unit positioned on the top of the cabinet.

Bonzagni and Wachtel show that it is well known in the art to provide a grill unit positioned on the top of the cabinet to provide another cooking surface means. In view of Bonzagni or Wachtel, it would have been obvious to one of ordinary skill in the art to adapt Palmer with the grill unit positioned on the top of the cabinet to additionally provide another cooking surface to grill a food thereon.

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3. Claims 8 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Palmer in view of Bonzagni or Wachtel as applied to claims 1-7, 9-15, 17-18 and 19 above, and further in view of Dundon (US 4,450,343).

Palmer in view of Bonzagni or Wachtel shows the apparatus claimed except providing power supply terminals behind the heaters.

Dundon shows a ceramic heater having a ceramic base with a heating element mounted to a housing, and power supply terminals provided behind the heater.

In view of Dundon, it would have been obvious to one of ordinary skill in the art to adapt Palmer, as modified by Bonzagni or Wachtel, with power supply terminals behind the heater or any other positions to conveniently route the terminal to provide the power, without being exposed to heating to prevent damages to the terminals.

Response to Arguments

4. Applicant's arguments filed 2/6/07 have been fully considered but they are not persuasive.

The applicant argues no ceramic heater is discussed in the prior art. It is noted that a ceramic heater can be broadly defined as a heater which includes a ceramic material as a part of a heater. In Palmer, the heater includes a ceramic material such as mica as a part of the overall heater, and Dundon also shows the heater having a ceramic material which serves a base upon which a heating element is supported thereto. Thus, the recited ceramic heater is deemed shown and discussed at least by Palmer and Dundon.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sang Y. Paik whose telephone number is 571-272-4783. The examiner can normally be reached on M-F (9:00-4:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans can be reached on 571-272-4777. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SR

Sang Y Paik
Primary Examiner
Art Unit 3742

syp